

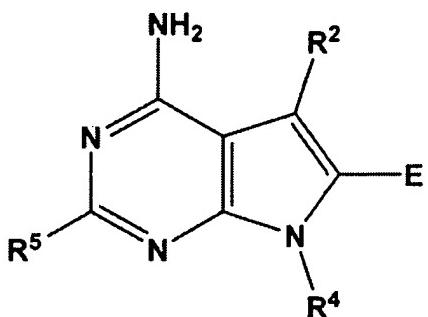
Amendment to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. - 2. (Cancelled)

3. (Currently amended) A compound having the formula (IA):



(IA)

in which

R² is hydrogen or a group having the formula (-CH₂)_bR^b wherin b is 0 or an integer from 1 to 3 and R^b is an aromatic, heterocyclic or cyclical aliphatic group optionally substituted with one or more groups selected from lower alkyl, halogen, substituted alkyl, nitro, alkoxy, phenoxy, and sulfonamido;

R⁴ is an aliphatic, aromatic, or heterocyclic group optionally substituted with one or more polar groups, which polar group may be protected or unprotected;

R⁵ is hydrogen, alkoxy, alkylthio, alkylthio, alkylamino, aryloxy, arylthio, or arylkamine arylaminio; and

E is -(CH₂)_mCOR', -CO(CH₂)_nR', -C(O)C(O)R', or an olefin attached to an electron withdrawing group,

wherein m and n are independently 0 or an integer from 1 to 6,

wherein R' is independently hydrogen, halogen, cyano, amino, alkyl, substituted alkyl, aryl, substituted aryl, heterocyclic group or substituted heterocyclic group, and

wherein the substituted alkyl, substituted aryl and substituted heterocyclic group are independently substituted with halo, hydroxyl, thiol, nitro, amino, amido, alkoxy, haloalkoxy, alkylenedioxy, alkyl, haloalkyl, or hydroxyalkyl.

4. (Cancelled)
5. (Previously Presented) A compound according to claim 3 in which R² is hydrogen.
6. (Previously Presented) A compound according to claim 3 in which R² is a group having the formula (CH₂)_bR^b.
7. (Original) A compound according to claim 6 in which b is 0.
8. (Original) A compound according to claim 7 in which R² is an optionally substituted phenyl group.
9. (Cancelled)
10. (Currently amended) A compound according to claim 3 in which E is an olefin attached to a nitro or cyano[[],].
11. (Cancelled)
12. (Previously Presented) A compound according to claim 3 in which E is -C(O)(CH₂)_nR' in which R' is a halogen and n is 0 or an integer from 1 to 6.
13. (Original) A compound according to claim 12 in which n is 0.
14. (Original) A compound according to claim 12 in which n is 1.
15. (Previously Presented) A compound according to claim 3 in which E is -(CH₂)_mC(O)R' in which m is 0 or an integer from 1 to 6 and R' is a halogen.
16. (Original) A compound according to claim 15 in which m is 0.

17. (Original) A compound according to claim 15 in which m is 1.
18. (Previously Presented) A compound according to any of claims 12-17 in which R' is chloro.
19. (Previously Presented) A compound according to any of claims 12-17 in which R' is fluoro.
20. (Cancelled)
21. (Previously Presented) A compound according to claim 3 in which E is $-\text{C}(\text{O})\text{CH}=\text{CH}_2$.
22. (Previously Presented) A compound according to claim 3 in which E is $-\text{CH}=\text{CHC}(\text{O})\text{OR}'$ where R' is an optionally substituted aliphatic, aromatic, or heterocyclic moiety.
23. (Original) A compound according to claim 22 in which R' is methyl.
24. (Previously Presented) A compound according to claim 3 in which E is $-\text{CH}=\text{C}(\text{O})\text{NR}''\text{R}'''$ where R'' and R''' are optionally substituted aliphatic, aromatic, or heterocyclic moieties.
25. - 60. (Cancelled)
61. (Previously Presented) A pharmaceutical composition comprising the composition according to claim 3 and a pharmaceutically acceptable carrier.
62. - 65. (Cancelled)
66. (Previously Presented) A compound according to claim 3 in which E is $-\text{CH}=\text{CH}-\text{C}(\text{O})-\text{OCH}_3$.
67. (Previously Presented) A compound according to claim 3 in which R⁵ is hydrogen.

68. (Previously Presented) A compound according to claim 3 in which R⁴ is an aliphatic optionally substituted with one or more unprotected polar groups.

69. (Previously Presented) A compound according to claim 3 in which R⁴ is an aliphatic optionally substituted with hydroxyl.

70. (Previously Presented) A compound according to claim 3 in which R⁴ is -(CH₂)₃-OH.

71. (Previously Presented) A compound according to claim 3 in which R² is -(CH₂)_bR^b, wherein b is 0, and wherein R^b is an aromatic optionally substituted with one or more groups selected from lower alkyl, halogen, substituted alkyl, nitro, alkoxy, phenoxy, and sulfonamido.

72. (Previously Presented) A compound according to claim 71 in which R^b is an aromatic group substituted with lower alkyl.

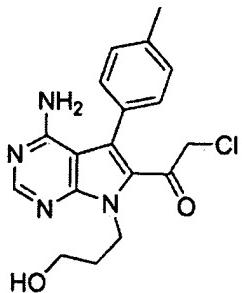
73. (Previously Presented) A compound according to claim 71 in which R^b is toyl.

74. (Previously Presented) A compound according to claim 71 in which R^b is p-tolyl.

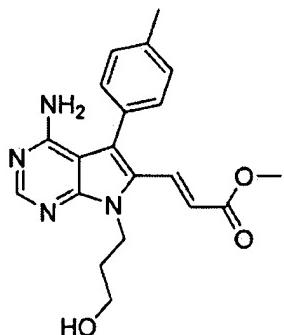
75. (Previously Presented) A compound according to claim 71 in which R⁴ is an aliphatic optionally substituted with hydroxyl; R⁵ is hydrogen; and E is -CH=CH-C(O)-OCH₃ or -CO(CH₂)_nR', wherein n is 1 and R' is chloro or fluoro.

76. (Previously Presented) A compound according to claim 71 in which R⁴ is an aliphatic optionally substituted with hydroxyl; R⁵ is hydrogen; and E is -CO(CH₂)_nR', wherein n is 1 and R' is chloro or fluoro.

77. (Previously Presented) A compound according to claim 3 having the formula:



78. (Previously Presented) A compound according to claim 3 having the formula:



79. (Previously Presented) A compound according to claim 3 having the formula:

